

Title (en)
AUTOMATED MACHINE FOR SETTING FLEXIBLE NAILING POINTS ON A FRAME

Title (de)
AUTOMATISIERTE MASCHINE ZUM SETZEN VON FLEXIBLEN NAGELPUNKTEN AN EINEM RAHMEN

Title (fr)
MACHINE AUTOMATIQUE A POSER DES POINTES FLEXIBLES SUR UN CADRE

Publication
EP 1355769 A1 20031029 (FR)

Application
EP 01995759 A 20011221

Priority
• FR 0104156 W 20011221
• FR 0100298 A 20010111

Abstract (en)
[origin: US7010851B2] The machine includes a movable carriage (5) carrying an application gun (8) filled with pins for application, which is movable above a work station composed of a table (1) carrying an endless belt (2). The machine is provided with a rack (10) for storing a plurality of guns (8) pre-filled with pins, which rack can be accessed by a gripping holder (7) carried by the carriage (5). A detector mounted on the gun can ascertain the absence of a pin in the frame at the application location and instruct the movement of the holder towards the rack.

IPC 1-7
B27F 7/00

IPC 8 full level
B27F 7/00 (2006.01)

CPC (source: EP US)
B27F 7/006 (2013.01 - EP US); **Y10T 29/53039** (2015.01 - EP US); **Y10T 29/53061** (2015.01 - EP US); **Y10T 29/5307** (2015.01 - EP US); **Y10T 29/53478** (2015.01 - EP US); **Y10T 29/53522** (2015.01 - EP US); **Y10T 29/5377** (2015.01 - EP US)

Citation (search report)
See references of WO 02055273A1

Cited by
CN111536412A; CN109732714A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2004144445 A1 20040729; US 7010851 B2 20060314; AT E272470 T1 20040815; DE 60104725 D1 20040909; EP 1355769 A1 20031029; EP 1355769 B1 20040804; ES 2225643 T3 20050316; FR 2819210 A1 20020712; FR 2819210 B1 20030328; WO 02055273 A1 20020718

DOCDB simple family (application)
US 25091004 A 20040126; AT 01995759 T 20011221; DE 60104725 T 20011221; EP 01995759 A 20011221; ES 01995759 T 20011221; FR 0100298 A 20010111; FR 0104156 W 20011221